

Abstract

A microplate is described that has a surface with an enhanced lubricious property which makes it easier to remove the microplate from a thermocycler. Basically, the 5 microplate has a frame which includes an array of wells formed therein that are made from a thermoplastic material (e.g. polypropylene) mixed with a non-toxic surface active material (e.g., surfactant, stearyl alcohol). The non-toxic surface active material functions to enhance the 10 lubricity of the surface of the microplate which makes it easier to remove the microplate from the thermocycler. In addition, the non-toxic surface active material within the microplate also makes it easier to remove a newly molded 15 microplate from a mold cavity in an injection molding machine. Also described herein are details about methods for making and using such microplates.

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